

**BREATH ALCOHOL EQUIPMENT  
REPAIR AND MAINTENANCE**

Instrument: 8000 Serial Number: 80-005938 Location: TOXL

1. Instrument repairs/maintenance performed:

RETURNED 10.12.16 - RAM ERROR IN FIELD. DISCOVERED NO \*.DAT FILE, (OPERATOR FILE); PROBABLY DUE TO INCOMPLETE UPLOAD AT LOCATION. LOADED \*.DAT FILE AND CONLO NOT REPLICATE ERROR ON OCT. 12, 13, 14, 2016. INSTRUMENT WAS PLACED IN CLASSROOM FROM OCTOBER TO MARCH (13 CLASSES). NO RAM ERRORS APPEARED OR WERE NOTED. READY TO GO BACK INTO FIELD.

BATTERY WAS REPLACED & TRAINED. CEE 3/29/17

2. Does the instrument require further testing?  
If Yes, continue.  
If No, sign and date below.

Yes or No

3. If needed, set the time, date, and location.

NA

4. Does the flow need to be calibrated?  
If Yes, attach paperwork.

Yes or No

5. Does the optical bench need to be calibrated?  
If Yes, attach test records.

Yes or No

6. Does the gas regulator need to be calibrated?

Yes or No

PSI gauge reading ~750 PSI display reading 772

Set instrument to Wet Bath and run tests:

7. Low AC. Use  $< 0.03$  AC in ACA mode. Attach test record. \_\_\_\_\_

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

8. Linearity Test. Use  $\geq 0.25$  AC in ACA mode. Attach test record. \_\_\_\_\_

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

Set instrument to Gas and run tests:

9. Print test. Attach test record. \_\_\_\_\_

10. Interferent Check. Use a 0.10 AC ethanol plus 0.05% acetone in ABA mode.  
Attach test record. \_\_\_\_\_

Sim SN: \_\_\_\_\_ Lot #: \_\_\_\_\_ AC: \_\_\_\_\_

11. RFI Check. Run in CMS mode. Key radio during any room air or subject test.  
Attach test record. \_\_\_\_\_

12. Calibration Check. Use a valid 0.080 AC Ethanol Gas Standard. Run three  
calibration sets in ACA mode. Attach test records. \_\_\_\_\_


Lot No. \_\_\_\_\_ Cylinder No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Test 1 _____	Test 1 _____	Test 1 _____
Test 2 _____	Test 2 _____	Test 2 _____
Test 3 _____	Test 3 _____	Test 3 _____

Average \_\_\_\_\_

  
\_\_\_\_\_  
Field Inspector's Signature

3/28/17  
Date

  
\_\_\_\_\_  
Reviewed by

28 Mar 17  
Date